

Xephyr

by Arya Akhavan (November 2012)

Angles for R.I. = 1.610

46 + 12 girdles = 58 facets

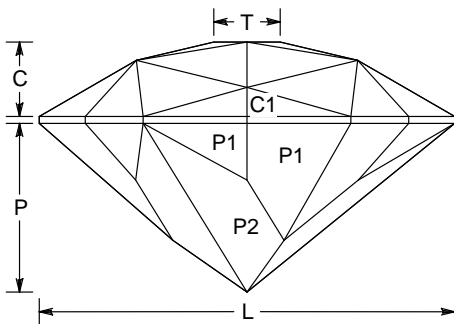
3-fold, mirror-image symmetry

96 index

$L/W = 1.113$ $T/W = 0.178$ $U/W = 0.154$

$P/W = 0.452$ $C/W = 0.199$

$Vol./W^3 = 0.232$



PAVILION

P1 44.30° 01-15-17-31-33-47-49-63-65-79-81-95 Cut to centerpoint.

G1 90.00° 01-15-17-31-33-47-49-63-65-79-81-95 Set stone size.

P2 41.30° 02-14-34-46-66-78 Meet P1, G1

CROWN

C1 43.68° 01-15-17-31-33-47-49-63-65-79-81-95 Set girdle width.

C2 27.53° 05-27-37-59-69-91 Meet G1, C1

C3 21.39° 03-29-35-61-67-93 Meet C1, C2

C4 9.56° 16-48-80 Meet C1, C2, C3

T 0.00° Table Meet C3, C4

Originally, this was going to be a simple hexagonal cushion, but I decided that I was going to use 3-fold symmetry instead of 6-fold. This stone may be simple, but it's got amazing performance. I prefer it in champagne topaz, but works in materials from feldspar to rutile (RI = 1.52 - 2.62) with no changes.

Suggested size = 5-8 mm

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